

## NH3.9 “Landslide monitoring: recent technologies and new perspectives”

Convener:

*Lorenzo Solari*

Co-conveners:

*Corey Froese, Peter Bobrowsky, Davide Bertolo, Mateja Jemec Auflič, Federico Raspini, Veronica Tofani*

When:

Thursday, 07 May, 10:45–12:30

Organization:

- Text based chat, for further details see: [https://egu2020.eu/sharing\\_geoscience\\_online/how\\_to\\_use\\_the\\_chats.html](https://egu2020.eu/sharing_geoscience_online/how_to_use_the_chats.html)
- During the live chat, all displays will be called in order of appearance in the display list (see the table below).
- The authors are asked to prepare a short summary of their work to be copy & pasted in the chat. Two to five sentences are enough.
- In order to give enough time to all authors, there will be a maximum total time of ~10 minutes for each author.
- We will open a discussion at the end of the session if there will be any time left.

Display list (in bold the presenting author):

Order	Authors	Title
1	<b>Tiggi Choanji</b> , Michel Jaboyedoff, Marc-Henri Derron, Li Fei, and Chunwei Sun	Images Time Series Analysis for Land Deformation and Mapping Shallow Landslides based on SENTINEL - 1 and Optical Satellite Images Data: Case Study on Batam Island, Indonesia
2	<b>Pierluigi Confuorto</b> , Silvia Bianchini, Davide Festa, Federico Raspini, and Nicola Casagli	Continuous monitoring of ground deformational scenario of Veneto region (Italy) through Sentinel-1 data
3	<b>Nathan Magnall</b> , Adam Thomas, and Rachel Holley	InSAR as an operational tool for remote mine monitoring
4	Susanne Wahlen, <b>Lorenz Meier</b> , and Gian Darms	Rockfall Alarm System with Automatic Road Closure/Reopening and long-term Slope Monitoring for major European North-South Route (Axenstrasse)
5	<b>Andy Take</b> , Nancy Berg, and Toshikazu Hori	Can point cloud data be used to calculate time to failure of a landslide?
6	Alexandra Royer, Mathieu Le Breton, Antoine Guillemot, Noélie Bontemps, <b>Eric Larose</b> , Laurent Baillet, Denis Jongmans, Fabrice	Ambient seismic noise monitoring: an online application for decision makers – example of various applications for different slopes configurations.

	Guyoton, Michel Jaboyedoff, and Raphael Mayoraz	
7	<b>Matteo Del Soldato</b> , Lorenzo Solari, Federico Raspini, Silvia Bianchini, Andrea Ciampalini, Roberto Montalti, and Nicola Casagli	How to manage a monitoring service based on satellite interferometry: a practical approach from the Tuscany region (central Italy)
8	<b>André Burnol</b> , Michael Foumelis, Sébastien Gourcier, and Daniel Raucoules	Characterization of clay shrinking and swelling at the Chaingy site (Centre-Val de Loire) combining in situ extensometers, SMOS surface soil moistures and Sentinel-1 interferometric spaceborne measurements
9	<b>Vladislav Ivanov</b> , Laura Longoni, Maddalena Ferrario, Marco Brunero, and Monica Papini	Low-cost interferometric optical fibre-based sensor for landslide monitoring: laboratory tests under different applications
10	<b>Ela Šegina</b> , Mateja Jemec Auflič, Tina Peternel, Matija Zupan, Jernej Jež, Eugenio Realini, Ismael Colomina, Michele Crosetto, Angelo Consoli, Sara Luca, and Joaquín Reyes González	Validation and interpretation of data obtained by the newly developed low-cost Geodetic Integrated Monitoring System (GIMS)
11	<b>Juan Ma</b> , Mingzhi Zhang, Gan Qi, Gloria Xing, and Zack Huang	Research and Development of Universal Equipment for Geological Hazard Monitoring and Early Warning
12	<b>Wooseok Kim</b> , Kiyoun Koo, Oil Kwon, and Jinhwan Kim	Establishment of Digital mapping for Slope Maintenance
13	<b>Byungsuk Park</b> , Oil Kwon, Seunghyn Kim, Jonghyun Lee, and Yonghoon Woo	A Research on Technology Development in response to Slope Reinforcing Facility (Anchor) Aging
14	<b>Anna Buczyńska</b>	Studies on soils condition on the area of the closed Babina mine in 2009-2019 using multispectral satellite images
15	Marta Roca, <b>Eleanor Ainscoe</b> , Gregor Petkovsek, Mark Wetton, Ye Liu, Mark Davison, and Alberto Riera	DAMSAT: An operational system for tailings dam monitoring by bringing together remote sensing, meteorological and on-site observations with site metadata
16	<b>Amanda Markert</b> , Kel Markert, Timothy Mayer, Farrukh Chisthie, Biplov Bhandari Bhandari, Thannarot Kunlamai, Arjen Haag, Martijn Kwant, Willem van Verseveld, Kittiphong Phongsapan, David Saah, and Claire Nauman	Automated Multi-Sensor Near-Real Time Flood Monitoring in the Lower Mekong